TWO-PACK POLYURETHANE COATING
RTB-848 (A&B COMPONENTS)

Two-component polyurethane coating with excellent adhesion, outdoor stability, durability, and great chemical, weathering and ultra-violet radiation resistances.

USES AND SUITABALE PRIMERS

Recommended Uses	Finish coat for maintenance works, protective coating systems and primed metal surfaces. This coating also provides a great finish when used as an automotive repair coating.
Suitable Primers	Epoxy primers and intermediate epoxy coatings.

CHEMICAL COMPOSITION

Type of Binder	Acrylic – Isocyanate
Number of Component(s)	2 Components
Curing Mechanism	Chemical Reaction
Flash Point	28°C (82°F)

Solid Content After Mixing	Silver	Other Colours
By Weight	59 ± 2%	65 ± 2%
By Volume	44 ± 2%	46 ± 2%

PHYSICAL PROPERTIES

Finish	Gloss
Colour	Wide range available according to the RAL and BS colour systems
Specific Gravity after Mixing	1.15 ± 0.05 gr/cm³ (Silver) | 1.30 ± 0.05 gr/cm³ (Other Colours)
Thermal Tolerance	Min -50°C Max 120°C

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to Swedish Standard (SIS 5900). Sa. 2 ½ and treatment with an epoxy primer and intermediate coating is recommended.
Mixing Ratio	Component A (Base): 100 Parts by weight Component B (Hardener RTB-848-B or RTB-9200) :25 Parts by weight
Mixing Instructions	Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Do not thin down each component separately.
Pot Life	6 Hours at 25°C
Theoretical Consumption	Silver: 130 gr/m² @ 50 Microns DFT | Other Colours: 140 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.009" – 0.013"	1.60 or1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	7 – 10% T-849	15 – 20% T-849	3 – 5% T-849	---

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	110	55	150
Dry Film Thickness (µm)	50	25	70

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
20 – 30 Minutes	60 – 90 Minutes	2 – 3 Hours	3-5 Days	Not Applicable

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

Application Limits

Relative Humidity	Min. ---	Max. 80%
Temperature	Min. +5°C	Max. +40°C
Substrate Temperature*	Min. +5°C	Max. +45°C

**Please note that the substrate temperature should be at least 5°C above the dew point*

Recommendations

-Should the recoating interval have expired, please refer to the procedures outlined in the Ronass Instruction Leaflet.
-Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-849.

PACKING, STORAGE AND SAFETY

Packing	Component A (Base): 20 Litres Containers (20 kgs. Net) and Component B(Hardener): 10 Litres Containers (5 kgs. Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	At least 12 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C.
Safety	This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipments,direct sunshine and out of children's reach. Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.